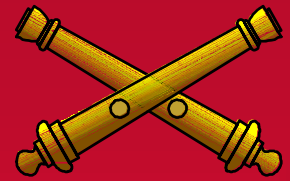
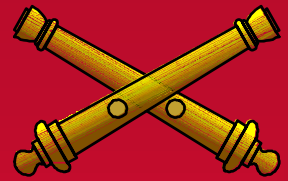


**GUNNERY DEPARTMENT**

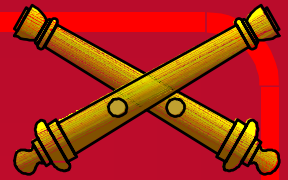


# ARTILLERY AMMUNITION

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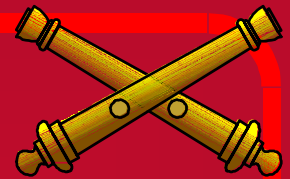
# PROPELLANTS



# 105MM PROPELLANT

PROPELLANT NOMENCLATURE	AUTH PROJ	AUTH HOWITZER	GENERAL RANGE
<b>M67</b> 7 UNEQUAL INCREMENTS	ALL (EXCEPT M760,RAP, DIRECT FIRE)	ALL PRESENT 105MM	11.5KM
<b>M200</b> 1 INCREMENT	M760 HE	ONLY THE M119	14KM
<b>M176</b> 5 UNEQUAL INCREMENTS	M548 RAP	ALL PRESENT 105MM	15KM
<b>M229</b> 1 INCREMENT	M913 RAP	ONLY THE M119	19.5KM

# GUNNERY DEPARTMENT

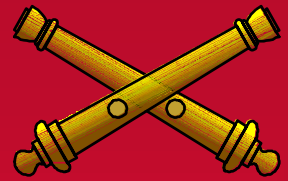


## 155MM PROPELLANT

PROPELLANT NOMENCLATURE	AUTH PROJ	AUTH HOWITZER	GENERAL RANGE
 <p>M3A1 GREEN BAG (ZONE 1-5)</p>	ALL (EXCEPT RAP BB DPICM)	ALL PRESENT 155MM	9KM
 <p>M4A2 WHITE BAG (ZONE 3-7)</p>	ALL	ALL PRESENT 155MM	14KM
 <p>M119A1/A2 RED BAG (ZONE 7R)</p>	ALL	ALL PRESENT 155MM	18KM
 <p>M203/A1 RED BAG/STICK (ZONE 8S)</p>	RAP BB DPICM M825	M198 M109A5 M109A6	30KM

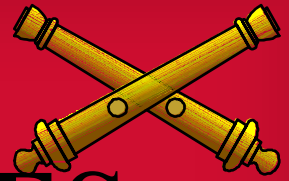
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**GUNNERY DEPARTMENT**



# PROJECTILES

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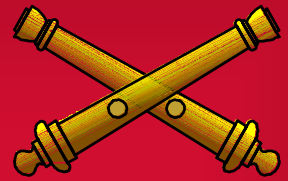


## FAMILY OF PROJECTILES

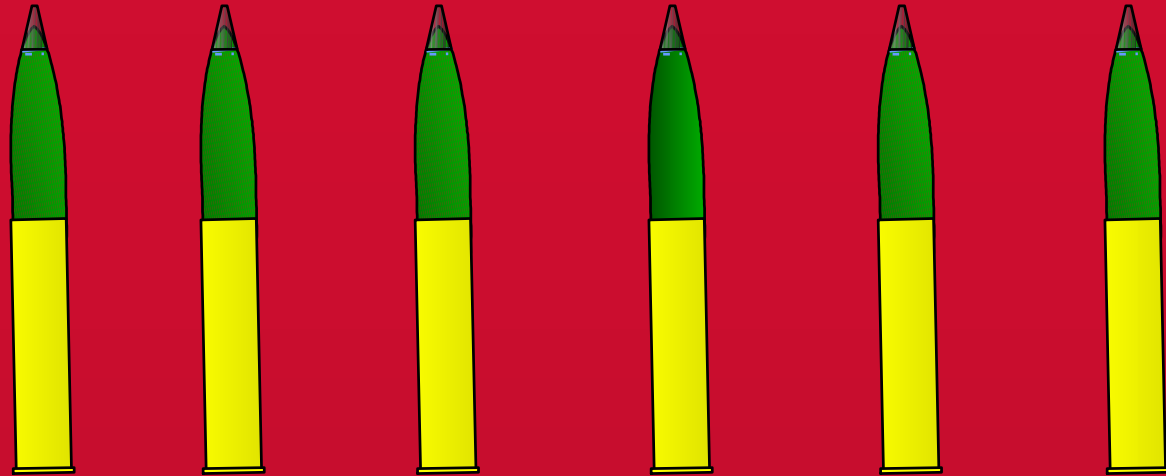
PROJECTILES THAT SHARE THE SAME BALLISTIC CHARACTERISTIC. THIS IS IMPORTANT IN MUZZLE VELOCITY AND REGISTRATIONS.

- HE FAMILY: HE, WP, HC SMOKE, ILLUM APICM
- DPICM FAMILY: DPICM, M825, ADAM, RAAMS
- BB DPICM FAMILY: BB DPICM (ERDPICM)
- COPPERHEAD FAMILY: COPPERHEAD
- RAP FAMILY: RAP

# GUNNERY DEPARTMENT



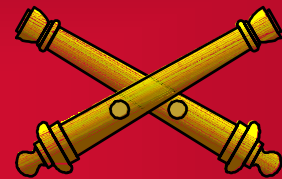
## 105mm LETHAL MUNITIONS



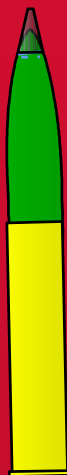
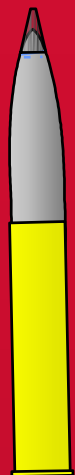
TYPE MUNITION	HE	HE	RAP	RAP	APICM	BEEHIVE
MODEL	M1	M760	M548	M913	M444	M546
HOWITZER	ALL	M119	ALL	M119	ALL	ALL
MAX RANGE	11.5 KM	14.0 KM	15.1 KM	19.5 KM	11.5 KM	12.4 KM
PRICE	\$104	?	\$459	?	\$166	\$440

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# GUNNERY DEPARTMENT



## 105mm NON-LETHAL MUNITIONS

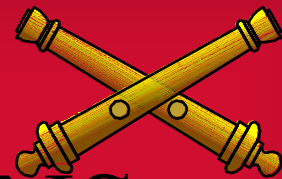


TYPE MUNITION	WP SMK	HC SMK	ILLUM	PRACTICE
MODEL	M60	M84	M314A3	M14
HOWITZER	ALL	ALL	ALL	N/A
MAX RANGE	11.5 KM	11.5 KM	11.5 KM	N/A
PRICE	\$80	\$340	\$98	N/A

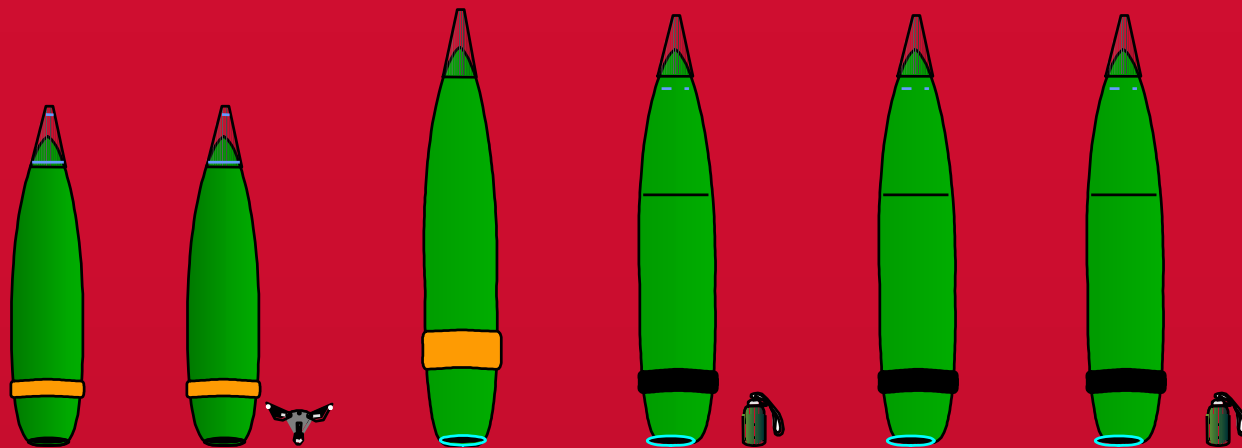
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# GUNNERY DEPARTMENT



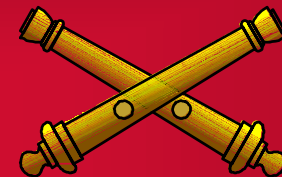
## 155mm LETHAL MUNITIONS



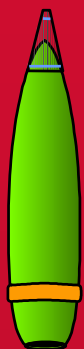
TYPE MUNITION	HE	APICM	RAP	DPICM	HE	DPICM BB
MODEL	M107	M449A1	M549A1	M483A1	M795	M864
FIELDING	1958	1964	1971	1975	1985	1991
MAX CHARGE	M119A2	M119A2	M203A1	M119A2	M203A1	M203A1
MAX RANGE	18.1KM	18.1 KM	30.0 KM	17.5 KM	22.2 KM	28.4 KM
PRICE	\$180	\$255	\$840	\$456	?	?

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# GUNNERY DEPARTMENT



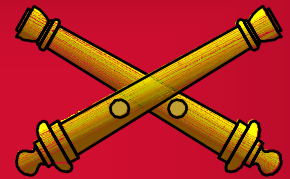
## 155mm NON-LETHAL MUNITIONS



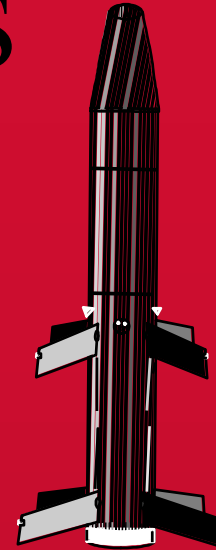
TYPE MUNITION	WP SMK	HC SMK	ILLUM	PRACTICE	WP FELT
MODEL	M110A2	M116A1	M485A2	M804	M825A1
FIELDING	1972	1975	1970	1985	1994
MAX CHARGE	M119A2	M119A2	M119A2	M119A2	M203A1
MAX RANGE	18.1KM	18.1 KM	17.5 KM	18.1 KM	22.6 KM
PRICE	\$70	\$376	\$151	\$126	\$600

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# GUNNERY DEPARTMENT

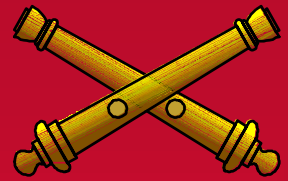


## 155mm SPECIAL MUNITIONS



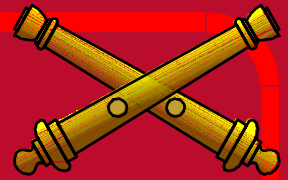
TYPE MUNITION	ADAMS	RAAMS	COPPERHEAD	SADARM
MODEL	M692 M731	M718 M741	M712	XM898
FIELDING	1978	1978	1981	1999
MAX CHARGE	M119A2	M119A2	M119A2	M203A1
MAX RANGE	17.7 KM	17.7 KM	16.4 KM	22.5 KM
PRICE	\$4,328	\$1,638	\$34,057	?

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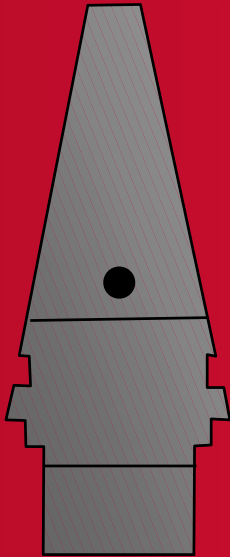


# FUZES

# **GUNNERY DEPARTMENT**

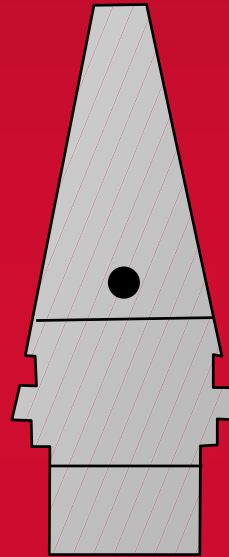


## **POINT DETONATING**



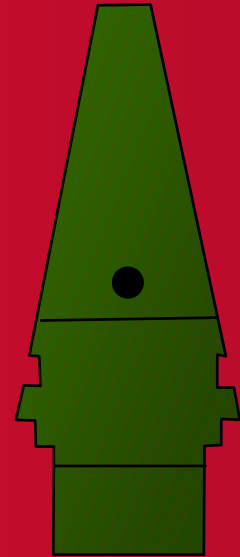
**M557**

**NOT FIRED  
IN THE RAIN**



**M739**

**RAIN  
INSENSITIVE  
SLEEVE**

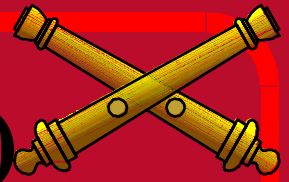


**M739A1**

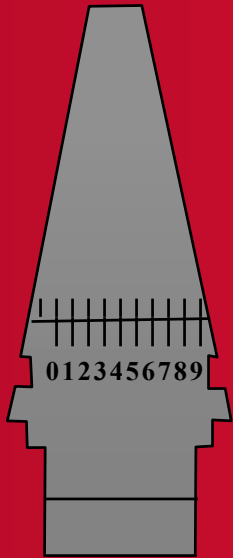
**RAIN  
INSENSITIVE  
SLEEVE**

**U  
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# GUNNERY DEPARTMENT

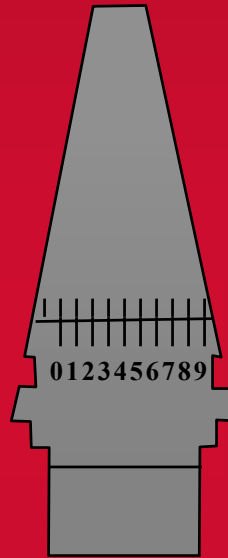


## OLD TIME FUZES (VERNIER)



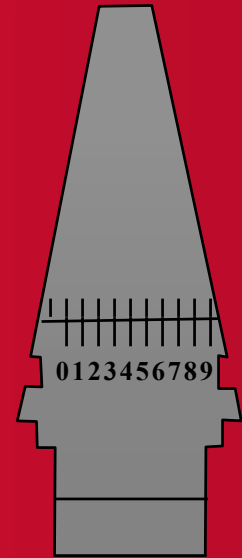
**M563**

**105MM  
APERS**



**M564**

**HE TYPE  
PROJECTILES**

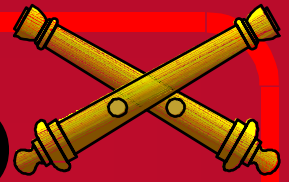


**M565**

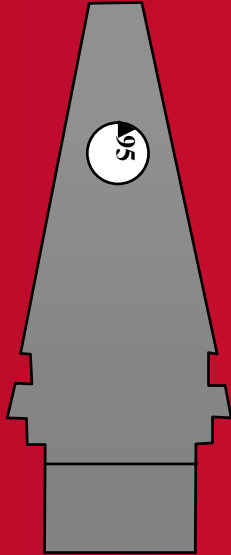
**BASE  
EJECTING  
PROJECTILES**

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# **GUNNERY DEPARTMENT**

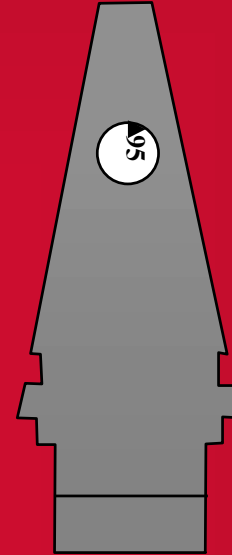


## **NEW TIME FUZES (WINDOWS)**



**M582**

**HE TYPE  
PROJECTILES**

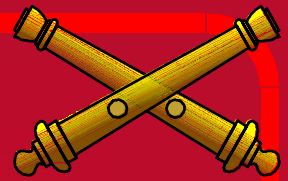


**M577**

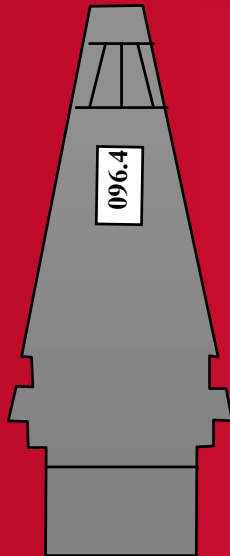
**BASE  
EJECTING  
PROJECTILES**

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# **GUNNERY DEPARTMENT**

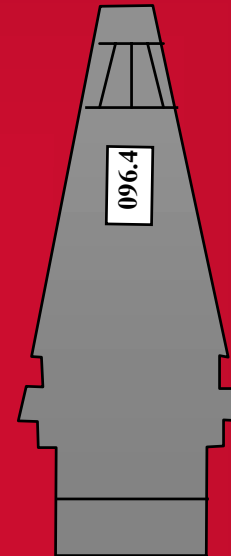


## **ELECTRONIC TIME FUZES (LED)**



**M767**

**HE TYPE  
PROJECTILES**



**M762**

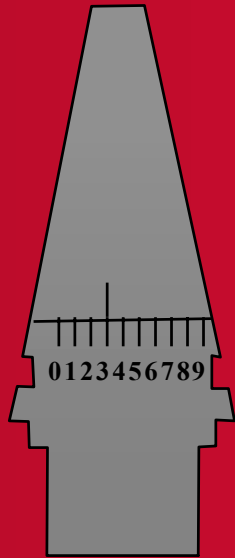
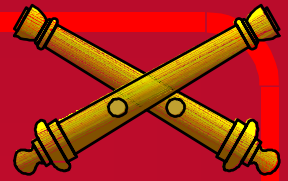
**BASE  
EJECTING  
PROJECTILES**

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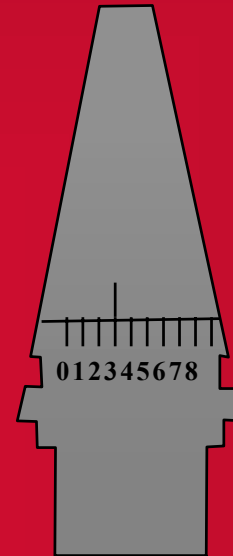
# GUNNERY DEPARTMENT

## PROXIMITY FUZES (VT)



**M728**

**HE TYPE  
PROJECTILES  
LONG INTRUSIONS**

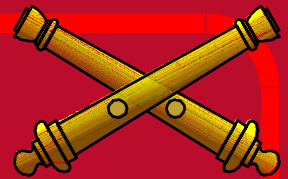


**M732**

**HE TYPE  
PROJECTILES  
SHORT INTRUSIONS**

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# GUNNERY DEPARTMENT



M578



M564



M582



M767

## TIME BURSTING



M513A2



M514A1



M728



M732/A2

## PROXIMITY



M520A1



M724



M501



M577A1



M548



M565



\*M563



M762

## TIME CARGO



M508A1



M572



\*M557



M739A1

## POINT DETONATING



M78

## CONCRETE PIERCING

(BLACK REPRESENTS  
OBSOLETE FUZES)



MOFA

XM773



M762



M739A1



MOUT

MK399 MOD1

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